

EXPOSURE CORRECTION DEVICE FOR VIDEO CAMERA

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Abstract of JP11239295

PROBLEM TO BE SOLVED: To accurately detect the lightness level of the incident light of a camera, to compensate dispersion of characteristics, to perform appropriate exposure correction and to perform high quality image pickup and recording of an object. **SOLUTION:** By a reference luminance level detected by a luminance level detector 11 in the image pickup of a reference luminance pattern and the sum of the control data of respective devices obtained by an exposure control circuit 12 corresponding to the luminance level, by an arithmetic circuit 14, the lightness level of the incident light is computed and the offset correction value of the camera is obtained from an arithmetic value. At the time of picking up the image of the object, the control data of the respective devices obtained by the exposure control circuit 12 corresponding to the luminance level detected from video signals by the luminance level detector 11 are corrected by the offset correction value and supplied from a device control circuit 13 to the respective devices. The opening degree of an iris 2, the electronic shutter amount of a CCD 3 and the gain of a holding/gain control circuit 4 are controlled, the dispersion of the optical characteristics for the respective cameras is compensated, and the high quality image pickup and record of the object under the prescribed lightness level of the incident light are realized.

